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ANDAMAN AND NICOBAR ADMINISTRATION

सचिवालय / SECRETARIAT

NOTIFICATION

Port Blair, dated the 24th September, 2014

No. 141/2014/F. No. 34-738/2014-Rev. (N).— WHEREAS, in pursuance of Rule 15 (1) of the Andaman & Nicobar Islands Minor Minerals Rules, 2012, Committee was constituted vide Notification No. 216/2012/F. No. 4-2/19-R/Quarry/PF-1 dated 09/10/2012.

AND, WHEREAS, the Committee finalized the quarry plan.

NOW, THEREFORE, in exercise of the power conferred under Rule 5 read with Rule 15 of the Andaman & Nicobar Islands Minor Minerals Rules, 2012, the Lt. Governor (Administrator), Andaman & Nicobar Islands hereby approves the quarry plan containing the location, site plan, progressive and final closure plan, reclamation and restoration plan including specific guidelines for source-wise pollution control measures to be followed for quarry operation in Nicobar District are as follows:

2.1 Location

The members of the Committee, constituted by Administration's Notification dated 9/10/2012, conducted field visits and identified two locations having the potential to yield good quality soil/loose earth for local use in the island. The Committee could not locate any site whereat there are adequate quantity of good quality boulders and stones. The field measurements of the identified site, recorded as Govt. revenue land, was carried out and is reflected as under:

Site : Govind Nagar Village

Village	:	Govind Nagar
Proposed Sy. No.	:	285/1/2
Area	:	1.00 Hectares
Availability of Soil/ Potential	:	60,000 cubic meter
Distance from nearby structures	:	
Sub-Centre	:	110 meter from the proposed site
Govt. Primary School	:	230 meter from the proposed site
Residential House	:	3 Nos. within 200 meters from the proposed site

Site : Joginder Nagar Village

Village	:	Joginder Nagar
Proposed Sy. No.	:	88/1
Area	:	2.00 Hectares
Availability of Soil/ Potential	:	1,00,000 cubic meter
Distance from nearby structures	:	
Sub-Centre	:	1.00 KM from the proposed site

Govt. Sr. Sec. School : 1.00 KM from the proposed site
Residential House : 14 Permanent Shelters within 100 meter from the proposed site.

Site Summary of Govind Nagar

- I. An area measuring 1.00 Hectares has been identified out of the land bearing Survey No.285/1, total area 5.67 Hectares, recorded in Form "AN" as Govt. Revenue Department (the area is shown in Green Wash at page of the plan) and assigned Sy. No. 285/1/2.
- II. The subject land is free from all encumbrances and the area has a potential to yield approximately 60,000 Cubic Meter of loose earth/soil.
- III. The selected area satisfies the restrictions mentioned in Rule 4.

Site Summary of Joginder Nagar

- I. An area measuring 2.00 Hectares has been identified out of the land bearing Survey No. 88/1, total area 5.67 Hectares, recorded in Form "AN" as Govt. Revenue Department (the area is shown in Green Wash at page of the plan) and assigned Sy. No. 88/1/4.
- II. The subject land is free from all encumbrances and the area has a potential to yield approximately 1,00,000 Cubic Meter of loose earth/soil.
- III. The selected area satisfies the restrictions mentioned in Rule 4.

2.2 Site Plan

- (i) The selected quarrying areas are Govt. land with sparse vegetation and no water-resources nearby.
- (ii) The selected areas are part of a hillock and topographically has smooth top tapering at the opposite side of the hillock.
- (iii) This quarry has good quality earth which itself is classified as minor mineral but there is no boulder or stones.
- (iv) The earth extracted shall be directly transported and utilised for execution of public works such as widening of road, earth levelling etc.
- (v) The use of explosives are not allowed but use of machinery is permitted. All necessary precautions have to be taken to ensure that extraction shall be gradual. No digging below ground level shall be allowed.
- (vi) All necessary precautions are to be taken to ensure safety of man and machinery.
- (vii) Reclamation is to be limited to maintaining ground level with a smooth and soft surface level so that it may lead to growth of herbs/shrubs or other natural flora. Time to time directions can be issued by the competent authority for meeting the environmental obligations.
- (viii) The detail layout plan shall be within the cluster areas notified.

2.3 Potential for extraction

- (i) Potential for extraction of minor mineral is limited to loose earth/soil. There is lack of good quality stones and boulders.
- (ii) The Committee agreed that quarry-site operational at Govind Nagar and Joginder Nagar in the Campbell Bay in the past cannot be revived in view of lack of good quality boulders and permanent shelters having been built in the vicinity.
- (iii) Committee decided that after the excavation, the area shall be brought to the shape of a flat land.
- (iv) It has been decided to stagger the quarry operations, limited to extraction of loose earth, to meet the genuine demand, considering the developmental activities undertaken by APWD, PRIs and other agencies.
- (v) The committee decided to allow extraction of upto 20,000 cubic meter minor mineral/loose earth from the site per annum taking into the account the prevailing climatic conditions.

2.4 Progressive and Final Closure Plan

- (i) The Committee is of the opinion that since no explosives shall be used, formation of large ditches are unlikely. The lessee shall be required to maintain an even and smooth surface vis-à-vis the ground level/bench mark to be set prior to commencement of quarry-operations. Natural growth of jungle weeds and trees is to be allowed.
- (ii) The final closure plan aims at developing the quarry-sites into community assets like playground, site for construction of building and various infrastructures. The Committee has decided to recommend guidelines for final closure of the quarry. The following points are to be considered as a part of final closure of the quarry :
 - (a) Location of the quarry.
 - (b) Topography of the quarry.
 - (c) Reasons for closure or reserves of Minor Minerals available for future in the quarry, if any.
 - (d) The reclamation and rehabilitation of the mined quarries indicating the method of reclamation/restoration of land and quarries pits.
 - (e) Water quality and hydrology of the area indicating water bodies, surface run-off, vulnerability to erosion, sedimentation/siltation, diversion of water course, contamination, quantity and quality change of water in water bodies. The corrective and protective measures are to be considered.
 - (f) Air quality indicating air quality status & corrective measures to prevent pollution.
 - (g) Waste Management indicating status, type, quality and quantity of over burden, earth/top soil removed and prevention measures & disposal methods of the overburden in case not utilized for stabilization & for filling the pits. The protective measures to be taken for prevention of siltation, erosion and dust generation from these waste materials should also be addressed.
 - (h) Infrastructures-Emphasis on maintaining the existing roads etc. and creation of toe/retaining walls, check dams etc.
 - (i) Disposal or removal of Quarrying Machinery & Construction like hutment/shed, if any.
 - (j) The Administration may include any activity as a part of closure of closure plan at any point of time.
 - (k) Statutory obligations like payment of wages/compensation for retrenchment of manpower/labourer under ID Act, and handling any other kind of repercussions shall be the sole responsibility of quarry lease holder.
 - (l) Disaster Management & Risk Assessment-indicating the probable high risks like land-slides, seismic activities etc.
 - (m) Monitoring and evaluation of the activities of the closure plan.

2.5 Plans for Reclamation and Restoration of Land

The following activities for reclamation and restoration of the land shall be the responsibility of the lease holder and have to be undertaken in consultation with the Departments such as Revenue, Forest and Andaman Public Works Department of the Union Territory.

Plantation activities to be taken under Social Forestry.

Hardly and fast growing tree species will be selected for block plantation.

3. MEASURES FOR POLLUTION CONTROL**3.1 General**

No transportation of loose earth shall be allowed on rainy days. The kutcha road leading to the quarry shall have avenue plantation to arrest the dust pollution.

3.2 Drilling

No drilling machinery shall be permitted.

3.3 Heavy Earth Moving Machineries

- (i) The operator/transporter shall carryout regular maintenance of the machinery and vehicles.
- (ii) Operator's cabin of the HEMMs should preferably by air-conditioned at least air tight.
- (iii) The smoke emissions should conform to the standards notified in Motor Vehicles Act.
- (iv) The trucks carrying the loose- earth shall be covered on all four sides to prevent spill onto road.
- (v) The transportation should be through notified routes.
- (vi) The engine exhausts of HEMM to be fitted with mufflers and cabins shall be noise proof.
- (vii) HEMM shall be properly maintained.
- (viii) Operators shall be provided with ear mufflers / ear plugs.
- (ix) Imposition of speed restriction of HEMM near residential area shall be enforced.
- (x) The haulage path of the HEMM shall be re-routed so that it away from the residential area.

3.4 Haul Road

All the haul and service roads shall be mettled and well maintained.

Un-mettled haul roads shall be free of ruts and pot holes.

Plantation alongside haul roads (avenue plantation) shall be carriedout.

3.5 Overburden

Plantation over and around the site shall be carriedout to ensure stability of slopes, prevention of dust by wind action and soil erosion during the run off.

3.6 Water Pollution

The project components should comply with all the standards given in the water (Prevention and Control of Pollution) Act, 1974.

3.7 Responsibility of the Quarry Lease Holder

Besides the responsibilities of the quarry lease holder as stated in the A & N Islands Minor Minerals Rules, 2012, a quarry lease holder shall also be responsible for complying with the various aspects as suggested in the various headings of the instant quarry plan.

3.8 Other Relevant Matters

- (i) Periodical health check-up of the workers and their family members engaged in the quarry, a dust prone unit and to keep vigilance on development of silicosis or other respiratory illnesses.
- (ii) All quarry lease holders must keep necessary provisions of "First Aid" at work site.
- (iii) Make provision of fund for aid to the workers and their family in case of any accidental injury/ death place.

4. Periodic of Operation of Quarry Plan

- (i) The instant quarry plan shall come into force immediately on notification by the Hon' ble Lt. Governor.
- (ii) The plan shall remain in force till three years from the date of notification unless otherwise modified/ on account of orders of a Competent Court/ Administrator and in such event, the modified quarry plan shall have the same force and applicability for all concerned including the quarry lease holders.

The Administration shall reserves the right to fix the maximum sale price of the loose earth/ soil to general public by the lease holder.

Lt. General (Retd.) Ajay Kumar Singh
PVSM, AVSM, SVM, SM

Lt. Governor, Andaman & Nicobar Islands.

By order and in the name of the Lt. Governor,

Sd./-
(Abdul Latif)
Deputy Secretary (Rev.)